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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/538,038

DATE: 07/27/2001

TIME: 11:28:36

Input Set : D:\SEQLIST1878-4051US.txt

Output Set: N:\CRF3\07272001\I538038.raw

P.S. H8

ENTERED

3 <110> APPLICANT: Beasley, James
4 Blume, Arthur J.
5 Schaffer, Lauge
6 Pillutla, Renuka
7 Brandt, Jakob
8 Brissette, Renee
9 Spetzler, Jane
10 Cheng, Weiqing
11 Ostergaard, Soren
12 Mandecki, Wlodek S.
13 Hansen, Per Hertz
14 Ravera, Mark
15 Hsiao, Ku-chuan
17 <120> TITLE OF INVENTION: INSULIN AND IGF-1 RECEPTOR AGONISTS AND ANTAGONISTS
19 <130> FILE REFERENCE: 1878-4051
21 <140> CURRENT APPLICATION NUMBER: 09/538,038
22 <141> CURRENT FILING DATE: 2000-03-29
24 <160> NUMBER OF SEQ ID NOS: 2653
26 <170> SOFTWARE: PatentIn Ver. 2.1
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 40
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
35 peptide
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38 Ile Arg Asp Met His Tyr Val Trp Val Gln Asp Arg Asp Arg Tyr Ile
39 1 5 10 15
41 Asn Gly Val Arg Gln Trp Tyr Ile Ser Asp Arg Tyr Asn Pro Gly Ser
42 20 25 30
44 Ala Phe Tyr Arg Trp Phe Ile Asp
45 35 40
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 40
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
55 peptide
57 <400> SEQUENCE: 2
58 Arg Met Gly Leu Gln Ala Leu Ala His Tyr Arg Lys Ser Ala Gly Pro
59 1 5 10 15
61 Ile Phe Leu Ser Ser Gly Ser Val Ile Lys Gly Ser Glu Gly Asp Pro
62 20 25 30
64 Phe Tyr Ala Trp Phe Arg Leu Gln
65 35 40

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73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
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79   1             5             10             15
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82             20             25             30
84 Arg Leu Phe Tyr Ser Trp Phe Ser
85             35             40
88 <210> SEQ ID NO: 4
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90 <212> TYPE: PRT
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93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
95     peptide
97 <400> SEQUENCE: 4
98 Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro Gly Thr Met Gly
99   1             5             10             15
101 Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu Gly Asp Ala Asp
102             20             25             30
104 Lys Asn Phe Tyr Asp Trp Phe Met
105             35             40
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114 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
115     peptide
117 <400> SEQUENCE: 5
118 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
119   1             5             10             15
121 Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
122             20             25             30
124 Asn Phe Tyr Asp Trp Phe Val
125             35
128 <210> SEQ ID NO: 6
129 <211> LENGTH: 39
130 <212> TYPE: PRT
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133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
135     peptide

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137 <400> SEQUENCE: 6

138 Ser Gly Cys Cys Arg Leu Leu Gly Leu Arg Trp Met Phe Ile Val Ile

139 1 5 10 15

141 Val Gly Trp Ser Gly Ala Leu Val Cys Gln Ser Ala Ala Ser Ala Ala

142 20 25 30

144 Gly Phe Tyr Asp Trp Phe Val

145 35

148 <210> SEQ ID NO: 7

149 <211> LENGTH: 21

150 <212> TYPE: PRT

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153 <220> FEATURE:

154 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

155 peptide

157 <400> SEQUENCE: 7

158 Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe

159 1 5 10 15

161 Val Glu Ala Leu Ala

162 20

165 <210> SEQ ID NO: 8

166 <211> LENGTH: 20

167 <212> TYPE: PRT

168 <213> ORGANISM: Artificial Sequence

170 <220> FEATURE:

171 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

172 peptide

174 <400> SEQUENCE: 8

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176 1 5 10 15

178 Glu Gln Ala Ala

179 20

182 <210> SEQ ID NO: 9

183 <211> LENGTH: 26

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187 <220> FEATURE:

188 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

189 peptide

191 <400> SEQUENCE: 9

192 Arg Val Ala Gly Ala Ile Ser Ala Pro Gly Leu Val Ser Asn Lys Gln

193 1 5 10 15

195 Asp Gly Leu Phe Tyr Ser Trp Phe Arg Glu

196 20 25

199 <210> SEQ ID NO: 10

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201 <212> TYPE: PRT

202 <213> ORGANISM: Artificial Sequence

204 <220> FEATURE:

205 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

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206      peptide
208 <400> SEQUENCE: 10
209 Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
210   1           5           10           15
212 Glu Trp Phe Ala
213           20
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218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
223      peptide
225 <400> SEQUENCE: 11
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227   1           5           10           15
229 Val Pro Asp Val
230           20
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238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
240      peptide
242 <400> SEQUENCE: 12
243 His Glu Ala Phe Tyr Asp Trp Phe Ser Ala Leu Val Asp Gly Gly Tyr
244   1           5           10           15
246 Glu Leu Met Gly
247           20
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252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
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256 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
257      peptide
259 <400> SEQUENCE: 13
260 Arg Ile Gly Gly Gly Trp Ala Arg Ser Glu Gly Phe Tyr Glu Trp Phe
261   1           5           10           15
263 Val Arg Glu Leu
264           20
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268 <211> LENGTH: 20
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
274      peptide

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Input Set : D:\SEQLIST1878-4051US.txt

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276 <220> FEATURE:

277 <223> OTHER INFORMATION: Xaa represents a variable or unknown amino acid

279 <400> SEQUENCE: 14

280 Leu Pro Ala Gly Gly Ala Xaa Gly Phe Ala Xaa Arg Gly Phe Tyr Glu

281 1 5 10 15

283 Trp Phe Glu Ser

284 20

287 <210> SEQ ID NO: 15

288 <211> LENGTH: 20

289 <212> TYPE: PRT

290 <213> ORGANISM: Artificial Sequence

292 <220> FEATURE:

293 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

294 peptide

296 <400> SEQUENCE: 15

297 Gly His Ser Trp Ala Leu Val Arg His Val Asp Arg Leu Phe Tyr Glu

298 1 5 10 15

300 Trp Phe Asp Leu

301 20

304 <210> SEQ ID NO: 16

305 <211> LENGTH: 20

306 <212> TYPE: PRT

307 <213> ORGANISM: Artificial Sequence

309 <220> FEATURE:

310 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

311 peptide

313 <400> SEQUENCE: 16

314 Leu Gly Thr Ser Ala Gly Gln Gly Val Gly His Arg Ala Phe Tyr Gln

315 1 5 10 15

317 Trp Phe Gln Ser

318 20

321 <210> SEQ ID NO: 17

322 <211> LENGTH: 20

323 <212> TYPE: PRT

324 <213> ORGANISM: Artificial Sequence

326 <220> FEATURE:

327 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

328 peptide

330 <400> SEQUENCE: 17

331 Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys

332 1 5 10 15

334 His Gly Ala Gly

335 20

338 <210> SEQ ID NO: 18

339 <211> LENGTH: 20

340 <212> TYPE: PRT

341 <213> ORGANISM: Artificial Sequence

343 <220> FEATURE:

344 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Input Set : D:\SEQLIST1878-4051US.txt

Output Set: N:\CRF3\07272001\I538038.raw

L:280 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:14
L:280 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:620 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:34
L:620 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:623 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:34
L:623 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:2034 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:117
L:2034 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:117
L:2034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117
L:3847 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:215
L:3847 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:215
L:3847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215
L:4410 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:243
L:4410 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:243
L:4410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243
L:5013 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:285
L:5013 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:285
L:5013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285
L:5296 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:305
L:5296 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:305
L:5296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305
L:5831 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:343
L:5831 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:343
L:5831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343
L:5834 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:343
L:5834 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:343
L:5834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343
L:7959 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:468
L:7959 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:468
L:7959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:468
L:7962 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:468
L:7962 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:468
L:7962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:468
L:7999 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:470
L:7999 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:470
L:7999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:9903 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:582
L:9903 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:582
L:9903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:582
L:12256 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:719
L:12256 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:719
L:12256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:719
L:12843 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:753
L:12843 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:753
L:12843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:753

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Input Set : D:\SEQLIST1878-4051US.txt

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L:12846 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:753
L:12846 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:753
L:12846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:753
L:12886 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:755
L:12886 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:755
L:12886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:755
L:12952 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:758
L:12952 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:758
L:12952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:758
L:13012 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:761
L:13012 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:761
L:13012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761
L:13058 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:763
L:13058 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:763
L:13058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:763
L:13098 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:765
L:13098 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:765
L:13098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:765
L:13161 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:768
L:13161 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:768
L:13161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:768
L:13184 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:769
L:13184 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:769
L:13184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:769
L:13267 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:773
L:13267 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:773
L:13267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:773
L:13327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:776
L:13356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:777
L:13373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:778
L:13376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:778
L:13379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:778
L:13396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:779
L:13622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790
L:13645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:791
L:13708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:794
L:13771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797
L:13851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:801
L:13854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:801
L:14313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:828
L:14911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:863
L:15339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:888
L:15413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:892
L:15447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:894
L:15484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:896
L:15541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:899
L:15558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:900
L:15751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:911
L:15822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:915

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L:15992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:925

L:16134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:933

L:16219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:938